

CLAIMS:

1. (Currently Amended) A data base for the storage of data, said data base comprising dental data concerning universally applicable dentition-specific features and universally applicable tooth-specific features, wherein the dental data illustrate real teeth as images in digitized form and said digitized form also involves one of universally applicable dentition-specific features, tooth-specific features and structural properties, including at least one of sex-specific, tooth family-specific, biography-specific, and person-specific characteristics, with or without anomalous characteristics, said dentition-specific and tooth-specific features being separately identified.
2. (Previously Presented) A data base according to claim 1, wherein the dental data are associated with an actual person.
3. (Previously Presented) A data base according to claim 1, wherein the dentition-specific features comprising data representing number, position, character, and anomalies of teeth of various types and their cooperation with each other.
4. (Previously Presented) A data base according to claim 1, further comprising a particular dentition-specific structure ascertained from any number of individual dentition-specific features of individual dentitions.
5. (Previously Presented) A data base according to claim 1, further comprising an individualized particular dentition-specific structure ascertained from any number of individual dentition-specific features of individual dentitions.
6. (Previously Presented) A data base according to claim 1, wherein the tooth-specific features include data which represent the position, shape, character, and anomalies of an individual tooth at any position in the dentition.

7. (Previously Presented) A data base according to claim 1, further comprising a particular tooth-specific structure ascertained from any number of individual tooth-specific features of individual teeth situated at a same position in the dentition.

8. (Previously Presented) A data base according to claim 1, further comprising an individualized particular tooth-specific structure ascertained from any number of individual tooth-specific features of individual teeth situated at the same position in the dentition.

9. (Previously Presented) A data base according to claim 1, further comprising additionally stored data relating to dental design features based on at least one of the dentition-specific and tooth-specific features.

10. (Previously Presented) A data base according to claim 1, wherein said data base being located directly on a usage site, or when said data base is not located on the usage site, said data base being situated at any place in the world and accessed by telecommunication means.

11. (Previously Presented) A data base according to claim 1, wherein said data base being equipped with at least one of one or more input units and one or more output units.

12. (Previously Presented) A data base according to claim 11, wherein the input unit comprising a keyboard, display means and a monitor.

13. (Previously Presented) A data base according to claim 12, wherein said data base being accessible by at least one of a client and a user with the aid of the input unit and display means for fetching data from said input unit as shown on the display means.

14. (Previously Presented) A data base according to claim 13, wherein an interaction between the input unit, display means, and data base is supported by at least one computer program.

15. (Previously Presented) A data base according to claim 14, wherein an exchange of data between an operating or display terminal is only possible with the aid of a payment system.

16. (Previously Presented) A data base according to claim 15, wherein the computer program synthesizes a single new data set from selected data sets.

17. (Previously Presented) A data base according to claim 1, wherein the data of the data base serve to construct a tooth model.

18. (Previously Presented) A data base according to claim 17, wherein said tooth model includes at least one of an outer surface, an inner surface and an internal structure specified by means of the data and displayed on an output device, wherein the data used for this purpose are taken from the data base and the data are suitably adapted.

Please cancel claims 19-25

26. (Previously Presented) A data base according to claim 17, wherein said data base is used in a method of conceiving the tooth model whose at least one of external shape and internal structure is at least one of designed and constructed by means of the data, said method comprising at least one of a user and a client, with the aid of an electronic data processing system,

- accessing said data base,
- combining data on display means to form an image of a tooth model,
- and, with the aid of said image of a tooth model, producing the tooth model, whose shape can be processed with aid of input and output devices of the electronic data processing system.

Please cancel claims 27-30

31. (New) A data base according to claim 1, wherein at least one of the dentition-specific and tooth-specific features being used as characteristics for a search in the data base.